

Notice of Allowability

Application No.

09/702,241

Examiner

Aaron C. Perez-Daple

Applicant(s)

HOULDING ET AL.

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed 3/4/05.
2. ☒ The allowed claim(s) is/are 1 and 4-14.
3. ☒ The drawings filed on 10/30/2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

ND

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Shoaib Mithani and Stanley Moore (Reg. 26,958) on 5/20/05. The amendment was proposed in order to place the application in condition for allowance.

2. Claims 1 and 4-14, as amended below, are allowed.
3. The Application is amended as follows:

In the Claims:

1. (Currently Amended) A method for visualizing ~~any~~ an application architecture of a system including instructions embodied on a computer readable medium, said method comprising the steps of:
 - receiving information regarding an event;
 - determining a look of an application;
 - determining a feel of the application;
 - receiving events at an event service delivery agent;
 - forwarding the events to a model component of the architecture in the form of callbacks;
 - reading configuration information during initialization at application startup, wherein the configuration information is adaptable to a plurality of different middlewares;
 - visualizing the architecture of the system during conceptual, development and deployment phases of the system;
 - wherein the step of visualizing during the conceptual phase of the system is performed in a simulation mode to communicate architectural components and collaborations of the system before the architecture has been implemented in the development and deployment phases;
 - wherein the step of visualizing during the development phase of the system is performed in either the simulation mode for sections of the system that have not yet been implemented or a mode for monitoring a deployed system for portions of the system that have already been implemented; and

wherein the step of visualizing during the deployment phase of the system is performed in the mode for monitoring the deployed system.

6. (Currently Amended) An architecture visualization system including instructions embodied on a computer readable medium for visualizing any an application architecture, said architecture visualization system comprising:

- a model component for receiving information regarding events;
- a view component for determining a look of an application;
- a controller for effectively determining a feel of the application;
- an event service delivery agent for receiving and delegating requests;
- a configuration specified in XML, wherein the configuration is adaptable to a

plurality of different middlewares;

wherein the visualization is performed during conceptual, development and deployment phases of the architecture visualization system;

wherein the step of visualizing during the conceptual phase of the architecture is performed in a simulation mode to communicate architectural components and collaborations before the architecture has been implemented in the development and deployment phases;

wherein the step of visualizing during the development phase of the architecture is performed in either the simulation mode for sections of the system that have not yet been implemented or a mode for monitoring a deployed system for portions of the system that have already been implemented; and

wherein the step of visualizing during the deployment phase of the system is performed in the mode for monitoring the deployed system.

7. (Currently Amended) A system including instructions embodied on a computer readable medium for visualizing an application architecture, the system comprising:

an event service interface for receiving middleware or protocol dependent events, the event service interface for translating the middleware or protocol dependent events into middleware or protocol independent events;

an event service delivery agent for receiving the middleware or protocol independent events and managing delivery of events to an application;

a model component for receiving middleware or protocol independent events from the event service delivery agent;

a view component receiving middleware or protocol independent events from the model component, the view component for visualizing behavior of an application during at least one of conception, development, and deployment of the application;

a controller for managing the behavior of the application, an implementation of the controller being adaptable based on the middleware communicating with the application;

wherein the step of visualizing the behavior of the application during the conception of the application is performed in a simulation mode to communicate architectural components and collaborations before the development and deployment of the application architecture;

wherein the step of visualizing the behavior of the application during the development of the application is performed in either the simulation mode for sections of the application architecture that have not yet been implemented or a mode for monitoring a deployed system for portions of the application architecture that have already been implemented; and

wherein the step of visualizing the behavior of the application during the deployment of the application is performed in the mode for monitoring the deployed system.

4. The following is an examiner's statement of reasons for allowance: the prior art of record does not teach or suggest an architecture visualization system for visualizing an application architecture during conceptual, development, and deployment phases including the specifically recited steps. Based on page 10, lines 4-19 of the specification, "a look" is interpreted as the specific view of the application presented by the system. Based on page 11, lines 3-11, of the specification, "a feel" is interpreted as the behavior associated with a particular implementation of the system. For all of these reasons, the present invention teaches an improved method and system for visualizing an application architecture.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


5. The prior art made of record and not relied upon is cited to show the state of the art: US 6,289,299 B1.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron C. Perez-Daple whose telephone number is (571) 272-3974. The examiner can normally be reached on 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

 5/24/05

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